

CACHING ADDRESS INFORMATION  
IN A COMMUNICATIONS SYSTEM

ABSTRACT OF THE DISCLOSURE

An approach for performing an address look-up in a relatively high latency network is disclosed. A terminal receives a query from a local host requesting address information. The terminal includes a memory that stores the address information, and a processor that is coupled to the memory and is configured to determine whether the address information associated with the query is stored in the memory. The processor selectively transmits the address information to the local host in response to the determination. The system also includes a server that communicates with the terminal over the network. The server receives the query from the terminal and transmits the address information corresponding to the query to the terminal. The present invention has particular applicability to a communications system that employs a satellite network.